4 Rec'd PCT/PTO 20 DEC 2001

B/O Form PTO 1390

Trans al Letter to the United States Designated/Efected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. §371

orney's Docket Number NITT.0050

U.S. 1 polication Jumber (if known)

International Application Number PCT/JP99/03341

International Filing Date
June 23, 1999

Priority Date Claimed
June 23, 1999 -

Title of Invention

CENTRIFUGAL SEPARATOR AND SAMPLE PREPARATION DEVICE USING THE SEPARATOR

Applicant(s) for DO/EO/US

Kazunori OKANO, Katsuji MURAKAWA, Shinichi FUKUZONO, and Yukiko IKEDA

- 1.

 This is a FIRST submission of items concerning a filing under 35 U.S.C. §371.
- 2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. §371.
- -3. This is an express request to begin national examination procedures (35-U.S.C. §371(f)). The submission-must-include items (5), (6), (9) and (21) indicated below.
- 4. \square The US has been elected by the expiration of 19 months from the priority date (Article 31).
- 5. A copy of the International Application as filed (35 U.S.C. §371(c)(2))
 - a.

 is attached hereto (required only if not communicated by the International Bureau).
 - b.

 has been communicated by the International Bureau.
 - c. \Box is not required, as the application was filed in the United States Receiving Office (RO/US).
- 6. A English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a.

 is attached hereto.
 - b. \Box has been previously submitted under 35 U.S.C. 154(d)(4).
- 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3))
 - a.

 are attached hereto (required only if not communicated by the International Bureau).
 - b.

 have been communicated by the International Bureau.
 - c.

 have not been made; however, the time limit for making such amendments has NOT expired.
 - d.

 have not been made and will not be made.
- 8.

 An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. §371(c)(3)).
- 9. An executed oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
- 10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. (§371(c)(5)).

Items 11 to 20 below concern other document(s) or information included:

- 11.

 An Information Disclosure Statement under 37 C.F.R. §§1.97 and 1.98.
- 12.

 An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§3.28 and 3.31 is included.
- 13.

 A FIRST preliminary amendment.
- 14.

 A SECOND or SUBSEQUENT preliminary amendment.
- 15. □ A substitute specification.
- 16: □ A change of power of attorney and/or address letter.
- 17.

 A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C, 1.821-1.825
- 18 □ A second copy of the published international application under 35 U.S.C. 154(d)(4).
- 19 A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
- 20. Other items or information:

21. So The following fees are submitted: Basic National Fee (37 C.F.R. § 1.492(a)(1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 C.F.R. 1.495(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Application Number	(if knot)	International Application PCT/JP99/03341	Number	A. ey's Docket Number	
Basic National Fee (37 C.F.R. § 1.492(a)(1)-(5)): Neither international preliminary examination (e (37 CFR 1.482) nor international preliminary examination fee (37 CFR 1.482) not paid to USPTO but International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)		. 				
International Search Report prepared by the EPO or JPO	21. The following fees are submitted: Basic National Fee (37 C.F.R. §1.492(a)(1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO					
International search fee (37 CFR 1.445(a)(2)) paid to USPTO	International prelim International Search	inary examination fee Report prepared by the	(37 CFR 1.482) not paid to ne EPO or JPO	USPTO but 890.00		
claims did not satisfy provisions of PCT Article 33(1)-(4)	International preliminternational search	inary examination fee fee (37 CFR 1.445(a)((37 CFR 1.482) not paid to (2)) paid to USPTO	USPTO but 740.00		
all claims satisfied provisions of PCT Article 33(1)-(4)	International prelim claims did not satis	inary examination fee by provisions of PCT A	(37 CFR 1.482) paid to U Article 33(1)-(4)	SPTO but all 710.00	<u> </u>	
Surcharge of \$130.00 for furnishing the oath or declaration later than □ 20 □ 30 months from the earliest claimed priority date (37 C.F.R. §1.492(e)). CLAIMS NUMBER FILED NUMBER EXTRA Total Claims 52 32 x \$18. 576.00 Independent 18 15 x \$84. Claims Multiple Dependant Claims (if applicable) TOTAL OF ABOVE CALCULATIONS □ Entity claims small entity status. See 37 CFR1.27. The fees indicated above are reduced by 1/2. SUBTOTAL Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). SUBTOTAL NATIONAL FEE Fee for recording the enclosed assignment (37 C.F.R. §1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 Amount to be Refunded:	all claims satisfied	provisions of PCT Arti	cle 33(1)-(4)	SPTO and 100.00		· · · · · · · · · · · · · · · · · · ·
TOTAL OF ABOVE CALCULATIONS □ Entity claims small entity status. See 37 CFR1.27. The fees indicated above are reduced by 1/2. Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). TOTAL NATIONAL FEE Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 Amount to be Refunded: TOTAL FEES ENCLOSED NUMBER EXTRA RAT NUMBER EXTRA RAT NUMBER EXTRA RAT RAT NUMBER EXTRA RAT 1,260.00 1,260.00 1,260.00 2,726.00 2,726.00 SUBTOTAL OF ABOVE CALCULATIONS 2,726.00 SUBTOTAL 2,726.00 Amount to be Refunded:	ENTER APPROP	RIATE BASIC FEE	AMOUNT		\$890.00	
Total Claims 52 32 x \$18. 576.00 Independent 18 15 x \$84. Claims Multiple Dependant Claims (if applicable) TOTAL OF ABOVE CALCULATIONS Entity claims small entity status. See 37 CFR1.27. The fees indicated above are reduced by 1/2. SUBTOTAL Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). TOTAL NATIONAL FEE Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED Amount to be Refunded:	Surcharge of \$130.0 months from the ea	00 for furnishing the or rliest claimed priority	ath or declaration later than date (37 C.F.R. §1.492(e)).	20 🗆 30	0.00	
Independent Claims 18 15 x \$84. Claims 15 x \$84. Independent Claims (if applicable) + 280.00 Multiple Dependant Claims (if applicable) + 280.00 TOTAL OF ABOVE CALCULATIONS 2,726.00 Entity claims small entity status. See 37 CFR1.27. The fees indicated above are reduced by 1/2. SUBTOTAL 2,726.00 Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). \$0.00 TOTAL NATIONAL FEE 2,726.00 Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 TOTAL FEES ENCLOSED \$2,766.00 Amount to be Refunded:	CLAIMS	Number Filed	Number Extra	RAT		· · · · · · · · · · · · · · · · · · ·
Claims 1,260.00 Multiple Dependant Claims (if applicable) + 280.00 TOTAL OF ABOVE CALCULATIONS 2,726.00 □ Entity claims small entity status. See 37 CFR1.27. The fees indicated above are reduced by 1/2. 0.00 SUBTOTAL 7,726.00 Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). \$0.00 TOTAL NATIONAL FEE 2,726.00 Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property \$2,766.00 TOTAL FEES ENCLOSED \$2,766.00 Amount to be Refunded:	Total Claims	52	32	x \$18.	576.00	
TOTAL OF ABOVE CALCULATIONS Description Entity claims small entity status. See 37 CFR1.27. The fees indicated above are reduced by 1/2. SUBTOTAL Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). TOTAL NATIONAL FEE Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED Amount to be Refunded:	Independent	18	15	x \$84.	1,260.00	
Entity claims small entity status. See 37 CFR1.27. The fees indicated above are reduced by 1/2. SUBTOTAL Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). SOURCE TOTAL NATIONAL FEE Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED Amount to be Refunded:	Claims					
Entity claims small entity status. See 37 CFR1.27. The fees indicated above are reduced by 1/2. SUBTOTAL Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). SO.00 TOTAL NATIONAL FEE Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED S 2,766.00 Amount to be Refunded:		t Claims (if applicable)	+ 280.00		
SUBTOTAL Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). SO.00 TOTAL NATIONAL FEE Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED \$2,766.00 Amount to be Refunded:	Multiple Dependan			+ 280.00	2,726.00	
Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)). TOTAL NATIONAL FEE 2,726.00 Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED \$2,766.00 Amount to be Refunded:	Multiple Dependan TOTAL OF ABO Entity claims sm	VE CALCULATION	S			
Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED \$2,766.00 Amount to be Refunded:	Multiple Dependan TOTAL OF ABO □ Entity claims sm are reduced by 1/2.	VE CALCULATION	S		0.00	
must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED \$2,766.00 Amount to be Refunded:	Multiple Dependan TOTAL OF ABO Entity claims sm are reduced by 1/2. SUBTOTAL Processing fee of \$	VE CALCULATION: all entity status. See 3	S 7 CFR1.27. The fees indicate	cated above	0.00 2,726.00	
TOTAL FEES ENCLOSED \$ 2,766.00 Amount to be Refunded:	Multiple Dependan TOTAL OF ABO Entity claims sm are reduced by 1/2. SUBTOTAL Processing fee of \$ months from the ea	ve CALCULATION: all entity status. See 3 130.00 for furnishing triliest claimed priority	S 7 CFR1.27. The fees indicate	cated above	0.00 2,726.00 \$0.00	
Amount to be Refunded:	Multiple Dependan TOTAL OF ABO □ Entity claims sm are reduced by 1/2. SUBTOTAL Processing fee of \$ months from the ea TOTAL NATION Fee for recording th must be accompani	all entity status. See 3 130.00 for furnishing triliest claimed priority and FEE te enclosed assignmented by an appropriate content of the	S TO CFR 1.27. The fees indicate the English translation later date (37 C.F.R. §1.492(f)).	than 20 30	0.00 2,726.00 \$0.00 2,726.00	
	Multiple Dependan TOTAL OF ABO Entity claims sm are reduced by 1/2. SUBTOTAL Processing fee of \$ months from the ea TOTAL NATION Fee for recording th must be accompani \$40.00 per property	all entity status. See 3 130.00 for furnishing triest claimed priority of the control of the co	S TO CFR 1.27. The fees indicate the English translation later date (37 C.F.R. §1.492(f)).	than 20 30	0.00 2,726.00 \$0.00 2,726.00	
i Cnargeu:	Multiple Dependan TOTAL OF ABO Entity claims sm are reduced by 1/2. SUBTOTAL Processing fee of \$ months from the ea TOTAL NATION Fee for recording th must be accompani \$40.00 per property	all entity status. See 3 130.00 for furnishing triest claimed priority of the control of the co	S TO CFR 1.27. The fees indicate the English translation later date (37 C.F.R. §1.492(f)).	than 20 30	0.00 2,726.00 \$0.00 2,726.00 \$40.00 \$ 2,766.00	

- c.

 The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to **Deposit Account Number 08-1480**. A duplicate copy of this sheet is enclosed.
- d.
 Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Note.: Where an appropriate time limit under 37 C.F.R. §1.94 or §1.495 has not been met, a petition to revive (37 C.F.R.

§1.137(a) or (b)) must be filed and granted to restore the application to pending status.

Stanley P. Fisher

Registration Number 24,344

JUNAN®CAREOS A. MARQUEZ E-Registration No. 34,072

REED SMITH HAZEL & THOMAS LLP

3110 Fairview Park Drive Suite 1400 Falls Church, Virginia 22042 (703) 641-4200

December 20, 2001

DECLARATION

I, Yoshinori Matsushima, of 1-76, 1-chome, Suehiro-cho, Ohme-shi, Tokyo, Japan, hereby declare that to the best of my knowledge and belief the following is a true translation made by me of the specification and drawings of the PCT International Application under No. <u>PCT/JP99/03341</u> which was filed on <u>June 23, 1999</u> in the name of HITACHI, LTD.

Dated this 4th day of December, 2001

Moshinori matsushima

Yoshinori Matsushima